

Nomenclatural Changes for Four Malayan Species in *Phrynium* (Marantaceae), *Solanum* (Solanaceae), *Stachyphrynium* (Marantaceae) and *Boesenbergia* (Zingiberaceae)

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Abstract

A new name is provided to substitute for a later homonym in Marantaceae. *Phrynium venustum* I.M. Turner, *nom. nov.*, replaces *Phrynium gracile* Holttum. *Solanum maingayi* Kuntze (Solanaceae) is shown to be the correct name for what has generally been referred to as *Solanum sarmentosum* Nees. *Stachyphrynium cylindricum* K. Schum. (Marantaceae) and *Boesenbergia flava* Holttum (Zingiberaceae) have to be considered new names because they were published as new combinations based on later homonyms. These illegitimate names, *Phrynium cylindricum* Ridl. and *Gastrochilus flavus* Ridl., are lectotypified.

A new name for a Malayan *Phrynium*

In his monograph of the Malayan Marantaceae, Holttum (1951) described a new species from the freshwater swamp forests of Johore as *Phrynium gracile*. Unfortunately, this combination had already been employed by Schumann for a species from New Guinea. A new name is provided for the Malayan plant.

Phrynium venustum I.M. Turner, *nom. nov.*

Phrynium gracile Holttum, Gard. Bull., Singapore 13 (1951) 282, *nom. illegit., non* K. Schum. (1905). *Type*: Peninsular Malaysia, S.E. JOHORE, Mawai-Jemaluang Road, Sungai Kayu Ara, *E.J.H. Corner S.F.N. 29981*, 5 January 1935 (holotype, SING!; isotype, K!).

Holttum *loc. cit.* gives the collecting locality of the type (*Corner S.F.N. 29981*) of this species as an uncertain site in Southeastern Johore, and refers to another, unnumbered, Corner collection from Sungei Kayu Ara. However, *S.F.N. 29981* specimens at SING and K are both clearly labelled as originating from Sungei Kayu Ara. This anomaly is not easily explained.

The correct name for *Solanum sarmentosum*

The prickly, prostrate Malayan nightshade generally known as *Solanum sarmentosum* Nees cannot correctly be referred to as such, as the combination was used earlier by Lamarck. Ridley, in his *Flora of the Malay Peninsula* synonymized *Solanum maingayi* Kuntze to *S. sarmentosum* Nees. Inspection of the type of Kuntze's species at Kew confirmed the correct placement by Ridley, and hence means that the Malayan plants must be referred to as *Solanum maingayi*.

Solanum maingayi Kuntze, Rev. Gen. Pl. 2 (1891) 454. Type: Peninsular Malaysia, MALACCA, A.C. Maingay 1158, 1867 (holotype, K!).
Solanum sarmentosum Nees, Trans. Linn. Soc. London 17 (1837) 58, *nom. illegit.*, *non* Lam. (1794).

The correct citation for *Stachyphrynium cylindricum*

Stachyphrynium cylindricum is a member of the Marantaceae found growing on limestone in the Malay Peninsula (Holtum 1951). The combination was published by Schumann based on Ridley's *Phrynium cylindricum*. However, this is an illegitimate later homonym. The International Code for Botanical Nomenclature Article 58.1 allows a new combination based on a later homonym to be considered as an avowed substitute (*nomen novum*) or a new name. As Schumann clearly intended to make a new combination based on the type of *Phrynium cylindricum* Ridl., *Stachyphrynium cylindricum* should be considered a *nomen novum* for the former. Ridley did not designate a holotype from among the two collections of *Phrynium cylindricum* he cited. I therefore take this opportunity of lectotypifying the species.

Stachyphrynium cylindricum K. Schum., *nom. nov.*, Pflanzenr. 4 (1902) 49; Holtum, Gard. Bull., Singapore 13 (1951) 278.

Phrynium cylindricum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 178, *nom. illegit.*, *non* Roscoe (1828). Syntypes: Peninsular Malaysia, Perak, Ipoh, C. Curtis 3318, August 1898 (SING!, 2 sheets); Kuala Dipang, H.N. Ridley 9787, 1898 (lectotype, selected here, K!).

The correct citation for *Boesenbergia flava*

An identical nomenclatural circumstance to the previous example surrounds the Malayan endemic ginger *Boesenbergia flava*. Holtum transferred the

species from its original position in *Gastrochilus*, where it was a later homonym. Therefore, the combination must be considered a *nomen novum* with the same epithet as the illegitimate basionym. *Gastrochilus flavus* Ridl. is lectotypified.

Boesenbergia flava Holttum, *nom. nov.*, Gard. Bull. Singapore 13 (1950) 113.

Gastrochilus flavus Ridl., Fl. Malay. Penins. 4 (1924) 248, '*flava*', *nom. illegit., non* (Hook.f.) Kuntze (1887). *Syntypes*: Peninsular Malaysia, PERAK, Batang Padang, *C. Curtis s.n.* (lectotype, selected here, K!); Bujong Malacca, *H.N. Ridley s.n.*, September 1898 (SING!); Bukit Kepaiyang, *H.N. Ridley s.n.*, February 1904 (SING!).

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References

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